

Product datasheet for PH307794

CXCR2 (NM_001557) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CXCR2 MS Standard C13 and N15-labeled recombinant protein (NP_001548)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207794
Predicted MW:	40.8 kDa
Protein Sequence:	>RC207794 protein sequence Red=Cloning site Green=Tags(s)
	MEDFNMESDSFEDFWKGEDLSNYSYSSTLPPFLLDAAPCEPESLEINKYFVVIYALVFLSLLGNSLVM LVILYSRVGRSVTDVYLLNLALADLLFALTLPWAASKVNGWIFGTFLCKVVSLLKEVNFYSGILLLACI SVDRYLAIVHATRRLTQKRYLVKFICLSIIWGLSLLLALPVLLFRRTVYSSNVSPACYEDMGNNTANWRML LRILPQSFGFIVPLLIMLFCYGFTRTLFKAHMGQKHRAMRVIFAVVLIIFLLCWLPYNLVLADTLMRTQ VIQETCERRNHIDRALDATEILGILHSCLNPLIYAFIQKQFRHGLLKILAIHGLISKDSLPKDSRPSFVG SSSGHTSTTL
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001548</u>
RefSeq Size:	2880
RefSeq ORF:	1080
Synonyms:	CD182; CDw128b; CMKAR2; IL8R2; IL8RA; IL8RB
Locus ID:	3579



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UniProt ID: [P25025, Q53PC4](#)

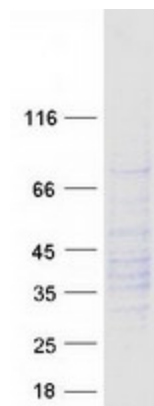
Cytogenetics: 2q35

Summary: The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2009]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection

Product images:



Coomassie blue staining of purified CXCR2 protein (Cat# [TP307794]). The protein was produced from HEK293T cells transfected with CXCR2 cDNA clone (Cat# [RC207794]) using MegaTran 2.0 (Cat# [TT210002]).